4. (Amended) A method as claimed in claim 17, wherein the coating has semi-conducting properties.

5. (Amended) A method as claimed in claim 17, wherein the coating comprises substantially zinc-oxide.

7. (Amended) A method as claimed in claim 17, wherein the source material is provided by single source chemical vapour deposition.

8. (Amended) A method as claimed in claim 17, wherein the non-planar substrate is an optical fiber.

Please add new claims 17-18 as follows:

17. (New) A method of manufacturing a substantially continuous circumferential coating on a non-planar substrate, said method comprising the steps of:

heating the non-planar substrate in a static substrate deposition geometry in a manner such that an external circumferential surface on the non-planar substrate remains exposed to an extent sufficient to form the continuous coating thereon, and to a temperature sufficient for decomposition of a gaseous precursor material;

independently heating a source material to provide said gaseous precursor material; and

directing said gaseous precursor material to said static non-planar substrate, whereby the substantially continuous circumferential coating is formed from decomposition of the gaseous precursor material on the exposed circumferential surface of the non-planar substrate.

18. (New) A method in accordance with claim 8, wherein the optical fiber is separated from the heating surface by a gap large enough to allow the vapor to envelop the surface of the fiber but small enough to allow the surface of the fiber to be heated to the deposition temperature by the heating surface.--